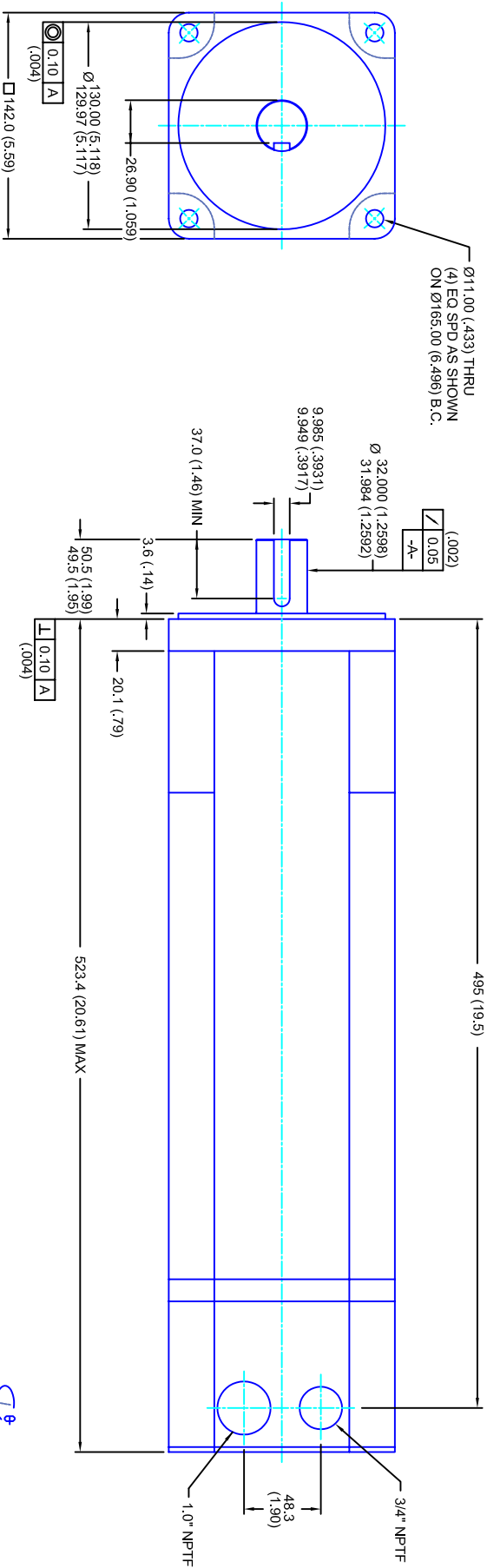


REVISIONS			REV	DESCRIPTION	DATE	APPD
1	QUOTE DRAWING	9/7/04				

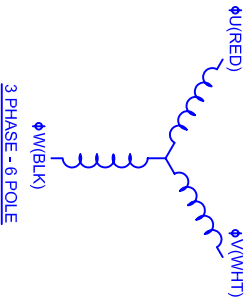
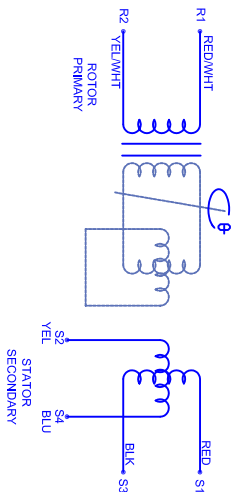


- NOTES:**
1. MILLIMETERS (INCHES)
 2. AXIAL LOAD: 23 KG [50 LBS] MAX
 3. RADIAL LOAD: 68 KG [150 LBS] MAX @ 25.4MM [1.00] FROM FACE
 4. MOTOR SEALED TO IP65
 5. MOTOR SHAFT: 416 STAINLESS STEEL
 6. MOTOR FINISH: BLACK MATT FINISH
 7. MOTOR WEIGHT: 39.5 KG [87 LBS]

ELECTRICAL DATA	
MOTOR PARAMETERS	UNITS/MEASURE
VOLTAGE	460
AMP TYPE	-
HORSEPOWER	12.4
KILOWATTS	9.3
MAX OPERATING SPEED	3400
SPEED @ RATED TORQUE	2800
*CONTINUOUS RATED TORQUE @ 2800 RPM	28001.61
*CONTINUOUS STALL TORQUE	IN-LBS[INm]
*CONTINUOUS LINE CURRENT	AMPS[RMS/Φ]
PEAK TORQUE	1081[122.1]
PEAK CURRENT	59.1
MAX THEORETICAL ACCEL.	RAD/SEC ²
TORQUE SENSITIVITY	KI
BACK EMF (LINE TO LINE)	±10%
D.C. RESISTANCE (P-P)	±10%
INDUCTANCE (P-P)	±10%
ROTOR INERTIA	Jm
STATIC FRICTION	TT

CONNECTION CHART			
RES/THERM WIRE LEADS			
TERM	WIRE FUNCTION	WIRE COLOR	WIRE COLOR
R1	GND/SHLD	WHT/BLK	RED
R2	THERM	WHT	RED
R3	THERM	WHT	RED
R4	SIN GND	YEL	BLK
R5	COS GND	RED	BLK
R6	COS	RED	BLK
R7	SIN	BLU	BLK
R8	REF	RED/WHT	BLK
R9	REF GND	YEL/WHT	BLK
R10	-	-	BLK
R11	-	-	BLK

MOTOR WIRE LEADS			
TERM	WIRE FUNCTION	WIRE COLOR	WIRE COLOR
1	ΦU	RED	RED
2	ΦV	WHT	RED
3	ΦW	BLK	RED
4	PE GND	GRN/YEL	RED



SCHEMATIC FOR
BRUSHLESS RESOLVER

TOLERANCES UNLESS SPECIFIED			
SURFACE FINISH:	= 63 Ra ✓		
BORER:	= H7		
DECIMAL .xxx	± .13 (.005)		
DECIMAL .xx	± .25 (.010)		
DECIMAL .x	± .51 (.020)		
FRACTION	± .40 (.016)		
ANGLE (MM/INCHES)	± .030		
REMOVE ALL BURRS, BREAK SHARP EDGES, ZAMPER (0.10°)			
FINISH:	STANDARD		
MATERIAL:	CUSTOMER: -		
SCALE	DATE	DRAWING NO.	REV.
1/2:1	9/7/04	CM1424R115MKRNPT	1



142MM - 4 STK

460V/KE=115/MET/RES/NPT

PROPERTY RIGHTS OF CUSTOM MOTOR ARE INCLUDED IN THE INFORMATION DISCLOSED HEREIN. THIS INFORMATION IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF CUSTOM MOTOR. ANY UNAUTHORIZED REPRODUCTION OR TRANSMISSION OF THIS INFORMATION IS PROHIBITED AND WILL BE PROSECUTED TO THE FULL EXTENT OF THE LAW.

USED OR DISCLOSED TO OTHERS FOR ANY PURPOSE EXCEPT FOR WHICH WAS SPECIFICALLY FURNISHED.



142MM - 4 STK
460V/KE=115/MET/RES/NPT